

Patent Abstracts of Japan

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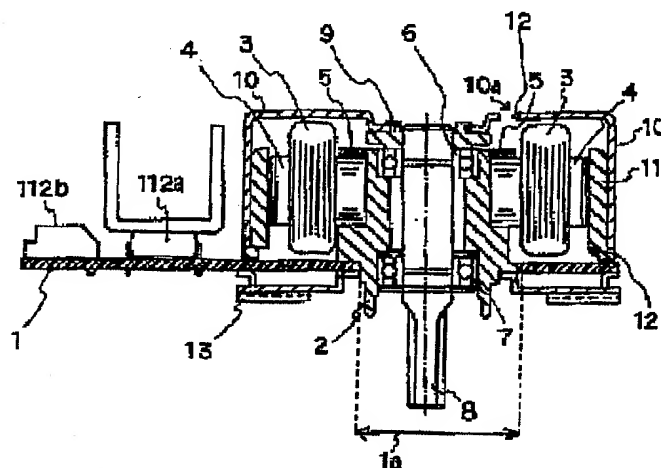
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APPLICANT : TOSHIBA LIGHTING & TECHNOL
CORP;

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TITLE : BRUSHLESS MOTOR, EQUIPMENT
WITH BUILT-IN MOTOR, AND JIG FOR
PRESS FITTING



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the number of parts and assembling man-hours, by inserting a housing, inserted in a first hole in a printed board, into a second hole, and sandwiching the printed board between the stepped portion and the projected pieces of the housing to secure a mounting body.

SOLUTION: A first hole 1a is formed in a printed board 1, and a housing 2 is inserted into the first hole 1a. A mounting plate 13 is press fit into the housing 2 with the printed board 1 sandwiched. Subsequently, the housing 2 of a stator assembly is inserted into a second hole 13 in the mounting plate 13 with the supporting section of the printed board 1 in contact with the housing 2, and is depressed. Thereby the projected pieces on the mounting plate 13 are press fit into the side of the housing 2, and the supporting section of the printed board 1 is clamped between the stepped portion of the housing 2 and the projected pieces and secured. Thereafter, rotation can be brought into balance by actually rotating the rotor assembly using the drive circuit within the rotor assembly to measure eccentricity, and applying putty 12 to a rotor yoke 10.

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